

ANTIGEN 1

10 20 30 40 50 60 70 80 90 100  
 GAATTCGGCAGAGAATTACCATCTGATAGATCAAAATTTACTTACATCTATTTTACTACATTAATAATATGGAGGAAAAACAGTCAATGAGCAATCCACAA  
 A R E L P S D R S N L L T S I F T T L N M E E K Q S M S N P Q  
 5 10 15 20 25 30  
 110 120 130 140 150 160 170 180 190 200  
 TCGAAAAATACGAATACAAGCAATACCAACCAAGATTCTGGTTTAAATGATAAAATTTGAAATGATTACAGATGAATTCAAAAAATTTGACCTTTA  
 S K N T N T S N T N H K D S G L N D K I F E M I T D E F K K L T F S  
 35 40 45 50 55 60 6  
 210 220 230 240 250 260 270 280 290 300  
 GCTTGTCCTCAAGAAATTAATGATTCGGTTTCTTCAGCAATTAGCAAGTATTTAGAACCGATCGAACGTGATATACATCTATTAAAGTCGCATTTGTTCAGGA  
 L S K E L N D S V S S A I S K Y L E P I E R D I H L L S R I C Q E  
 5 70 75 80 85 90 95  
 310 320 330 340 350 360 370 380 390 400  
 ATCGAGAAGTCTGTTGATAATTAATGTTAAATCAATGAAATTTCTAAATTTGAAACAAATGTTAAGGAACCTTCTTACAAGTACAAAATGAGAAAATTAACAA  
 S R S L L I I M L I S M K F L K L K Q M L R N F L Q V Q M R N  
 100 105 110 115 120 125  
 410 420 430 440 450 460 470 480 490 500  
 GCATCGACACTTGATTTTCGAGGCTTGTTGGCGAATCTAGAACGTTTCGTGAAAAAGTGACTAAATTAATAACAAATGCGATAACATTAACTCGAATCC  
 510 520 530 540 550 560 570 580 590 600  
 AATAGACAACTTTACTCAAG TAGTAGCAGATTTCATTTGGGACATTAACTAATGCAGTTACTCAATTGCAACAACTGTTAATCGTTTGAATTACAGATC  
 610 620 630 640 650 660 670 680 690 700  
 AGTAATGGAATACCACTAAAAACGCTTACACCAGATAACTCAATTACAATAAGAGCGCCCCCAACATAGCTTTTGCAAAATTTGATGATGCCTTAAACCAA  
 710 720 730 740 750 760 770 780 790 800  
 AACATTACGATCGGCATTTCCGGATAGCAATTTCTGGATCAATCTAACTCTATCTCAATCAGATAAGAGAGAAATCCAAGCGGAGAAATGTTTGTGTTTGAAC

FIG. 1A

# FIG. 1B

810' 820 830 840 850 860 870 880 890 900  
 CTTGCATATAAGTTTGACCCATGTTGTTGGTTGGATGATCCAGCTTCCTATTAGCCATCCAGTAATATTAGGAATTTCAAAAATTTTGAGCGATACCTTT  
 910 920 930 940 950 960 970 980 990 1000  
 CCTCATTTAATTGAATCTTTAAAGACCCAGCTGTAATTTTCTCAAAATTAGCTGCATTTTCAGATTTTAAATTTGAGAAATATTATGGATAAAAAGAAACCATTTC  
 1010 1020 1030 1040 1050 1060 1070 1080 1090 1100  
 ACTGTTTTGAACCATTTACTGATACTCTTACACCTAGTGAGTAATGCAAAATACTAAATGAAATTTTCAGAAAGTATGAACAAATGCATTTAGCATTTATAAATT  
 1110 1120 1130 1140 1150 1160 1170 1180 1190 1200  
 CGGTTAGCGATGCAAGTAAAGCATGAACATAATTGTACCTGCATGCTTTCACGGATGGTTCGATCATCAGTGCATATTACTAGCATATTAAAGGCATATTAG  
 1210 1220 1230 1240 1250 1260 1270 1280 1290 1300  
 AAGGACAACCTAGAAATATTACATCTGGAATGAAATTAATTAAGGGGTAGAAATTAGATATTTTTCATGTTAAATAATTAGCGTTATTGAGGATTATTTC  
 1310 1320 1330 1340 1350 1360 1370 1380  
 GAAATAAATAATAGAGATATTAAAGTTTAGTTTTTATTATAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAG

FIG. 1B

ANTIGEN 2

10 20 30 40 50 60 70 80 90 100  
 GAATTCGGCAGAGATTTTCTTTTCTTTTACCTATTCAATTAGTTTCTTTGATTCAAAACGATGCAAAGTCATTATTGTTTAAATCCAGATGGATC  
 H E I F F L L L P I S I S F F D S N D A K S L F V L N P D G S  
 5 10 15 20 25 30  
  
 110 120 130 140 150 160 170 180 190 200  
 CGGAATTTGAAAAACATTTCTACTAAATTCGAAATTAATTTGAGCTTGGCTTCATAAATGGTAGTTGGCTCGAGGTGATATTTTATCCTTGATAGG  
 G I L K N I S T K F E I K F E L G L I N G S W L G G D I F I L D R  
 35 40 45 50 55 60  
  
 210 220 230 240 250 260 270 280 290 300  
 AAACACGCTCTTGAAGCTGTAAGTTATTCATCGCTTGTGTTTCTATACAAAACAATGTTTGAAGAATGAAGCACATTGTCTTAAACCCCTTTAATC  
 K H A L E A V S Y S I A C V F Y T K T C F E K N E A H C L K P F N R  
 65 70 75 80 85 90 95  
  
 310 320 330 340 350 360 370 380 390 400  
 GCGCTGAGAATAAAATGACTTTTGGTCTGAGAAAGACTTAGCGACAACCTCCCAATCTCTAATTCGTAATATTATCTTTTCCTTACATGGAATAACTG  
 A E N K M T F G S E K D L A T T L Q S S N S E Y L F L T W N N C  
 100 105 110 115 120 125 130  
  
 410 420 430 440 450 460 470 480 490 500  
 CATTCTTGGATATATTCCTCAATTAACACAAATAAAATCAACAAAATTTCTCTTGAAGTTCCGGAGAAAACCTCAATCTCCACAAATTTGGATATTGGAGTATT  
 I L G Y I P I N T N K I N K I S L E S S G E N S I S T I G Y W S I  
 135 140 145 150 155 160 165  
  
 510 520 530 540 550 560 570 580 590 600  
 ATCGATGGATTTTCTTCTTTCTTTAATTAACATGCGCCTATAAAGAAAATGGCCACTTGAATAATCAAGAATCAAAAATATTCAAAATGAAATAATGAAG  
 I D G F S S S L I K H A P I K E N G H L N N Q E S K Y S K  
 65 170 175 180 185 190  
  
 610 620 630 640 650 660 670 680 690 700  
 CCCTAAACTCAACAAATCCAGAATCAGGTGGGAATAACTTAACCTCAGAACCAAAAGCCCTCATCCAGTTGTTAGACCGCATCTCTACAGAAAAGC

FIG. 2A

# Topo "351860"

710' 720 730 740 750 760 770 780 790 800  
 CCTCAAATGGTGAACATCAAGAAATCTGGTTTCAGAGCAAGCCCCTATTACCTCACCCAGAAAAACGAATCAAGTTCAAATCATCCTTCTGTGACAGTTCAGAG  
 810 820 830 840 850 860 870 880 890 900  
 TACTGGATCAGTTCAAAATCTCCTTCTGTACTATTCCAGAGACTGGATCAGACTCAGATCACCGCGCCTTGTGACAAATTCAGAGACTGGATCAGTTCAAA  
 910 920 930 940 950 960 970 980 990 1000  
 TCATCTTCTGCTACTATACCAGAAACAGGATCCAGCTCAGATCACACTCTGTCTACTTCTCCAGAAAGGATTGGACTCAGAAACGTTACCAATCACTTCT  
 1010 1020 1030 1040 1050 1060 1070 1080 1090 1100  
 ACAGAACAACTCAAAGCCAGCTACATATCCTAACCAAGAAAAATGAAAAATCATAATAATCAGGAAGGTAATTCGAGTTTTTAATACACTAAATCTTCCAAA  
 1110 1120 1130 1140 1150 1160 1170 1180 1190 1200  
 TCAACCCCAATCTTTCACGCAAGCTGGCAGATGTGGAAGTTATGGGGAAGGATAAAATGGTTGATGGTGACGCAAGTAATCACTAAAAATGACATTATT  
 1210 1220 1230 1240 1250 1260 1270 1280 1290 1300  
 GAAGATACCTTCGAAAGAAATTAGAAAACAAAATGTAAAGTATCTGCATTGATAAAATATGGCCTTAGCCATTTCCAAATATCTAAATTTGTCAAACTCAAGTAA  
 1310 1320  
 AAAAAAAAAAAAAAACTCGAG

FIG. 2B

09881556.061401

KD  
45 -  
31 -  
21.5 -  
14.5 -



FIG. 3A

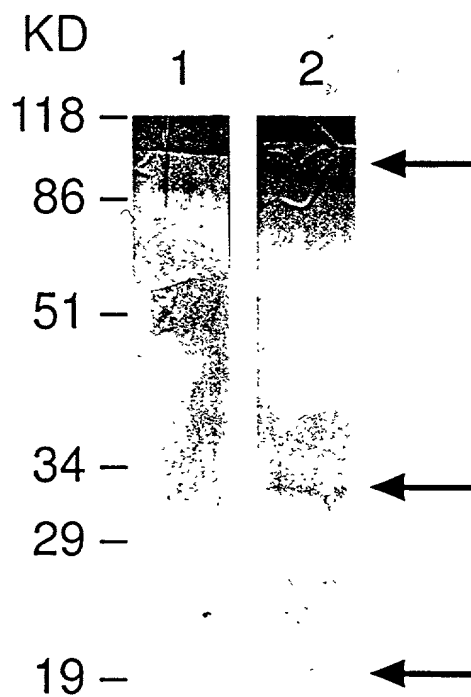


FIG 3B

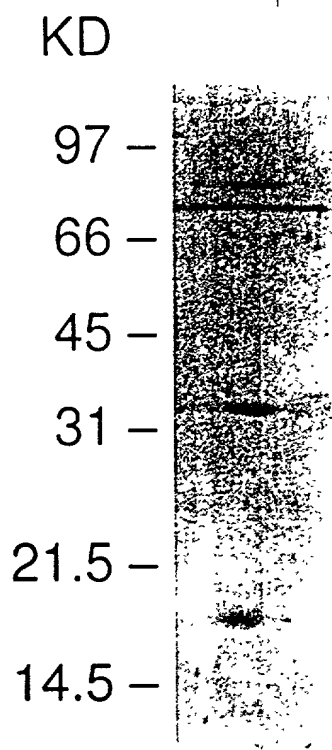


FIG. 4A

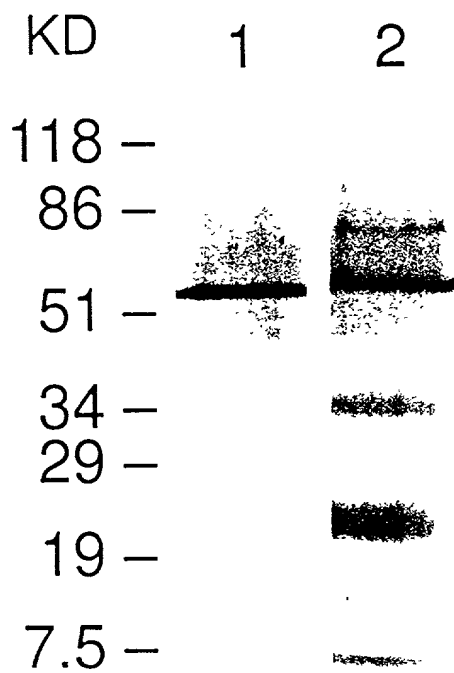


FIG. 4B

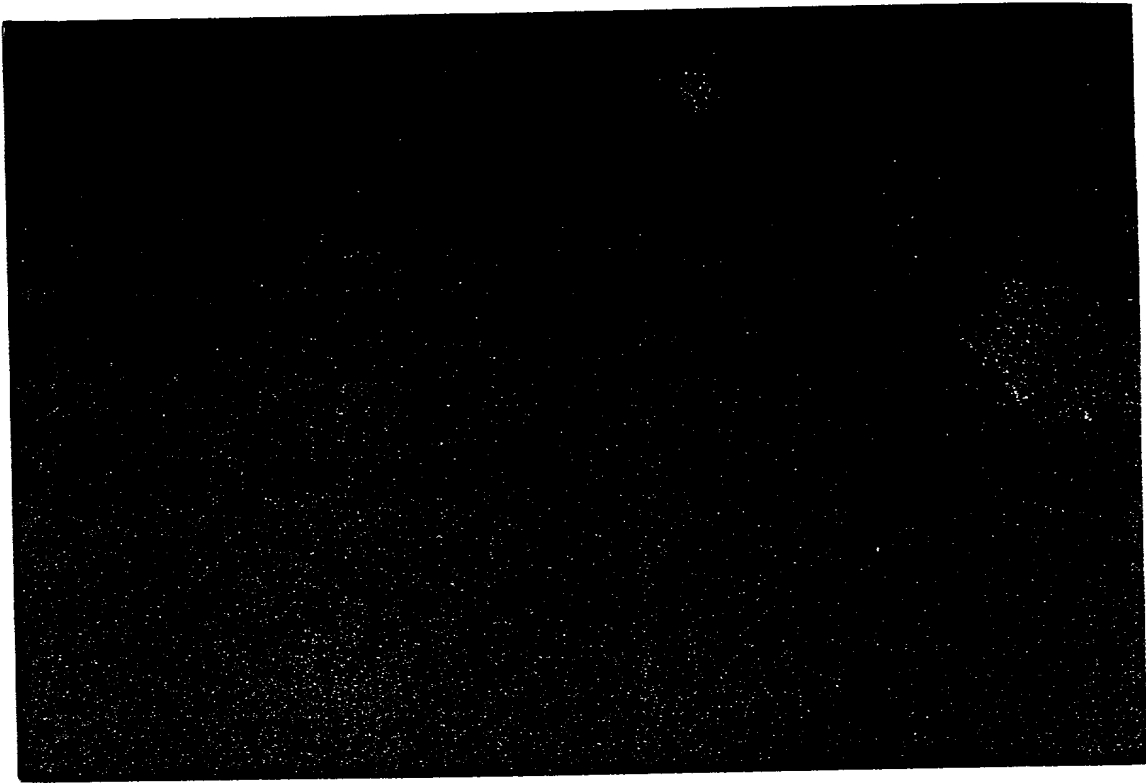


FIG. 5A

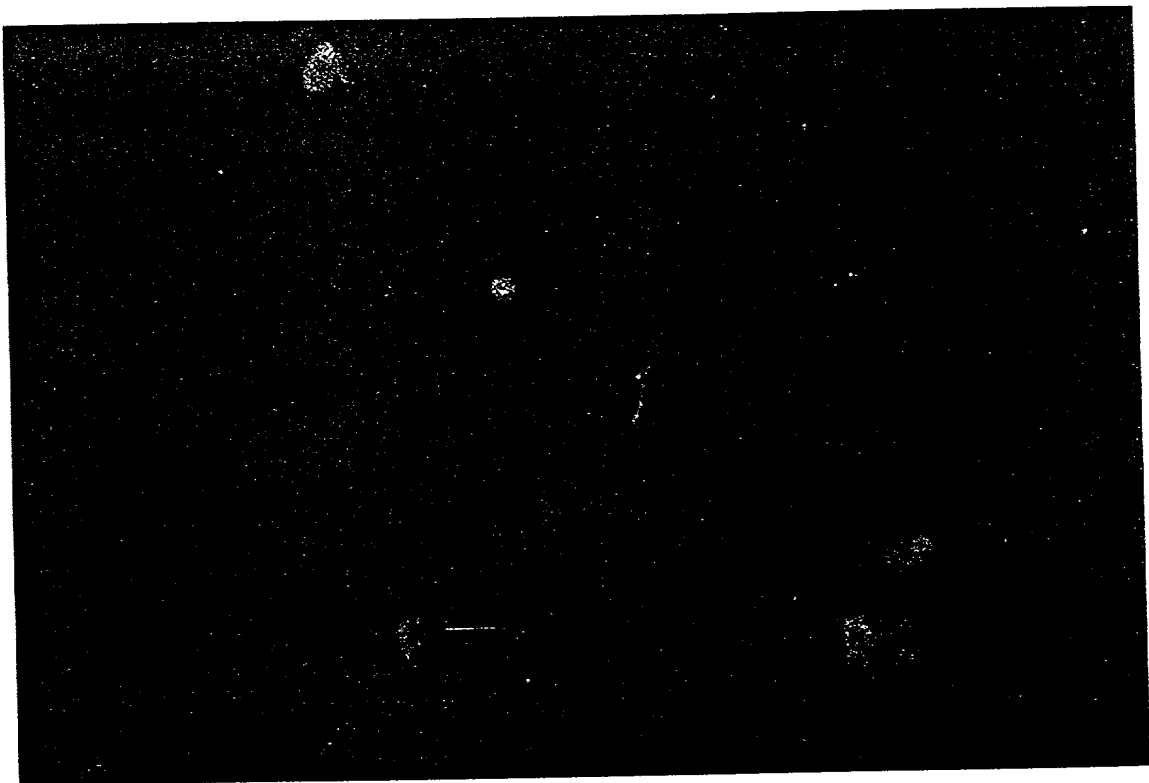


FIG. 5B

0981356-064401

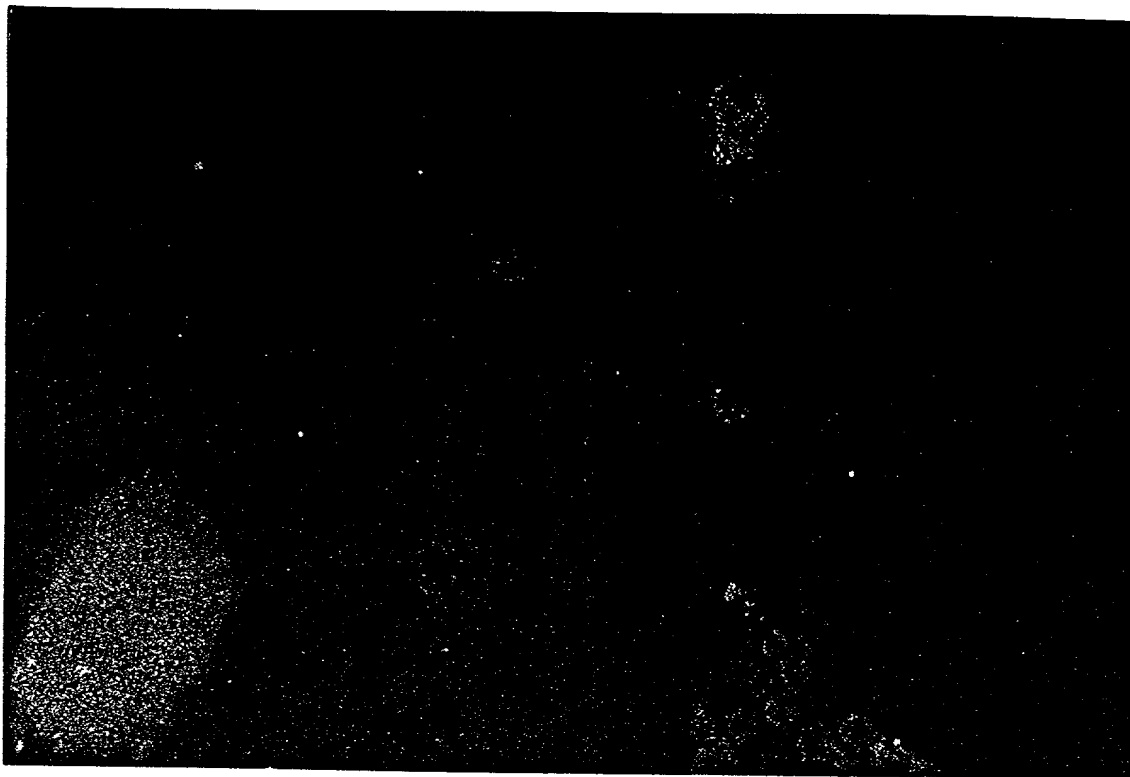


FIG 5C

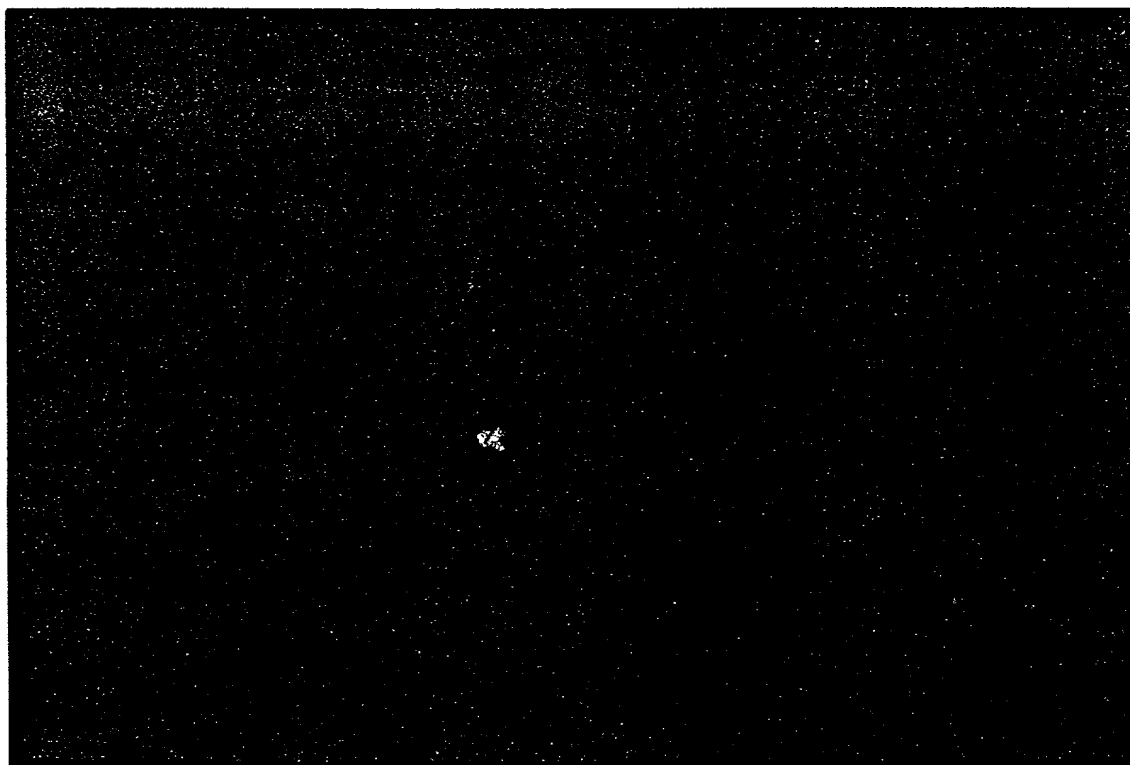


FIG 5D



05381.556 .064401



FIG 5E

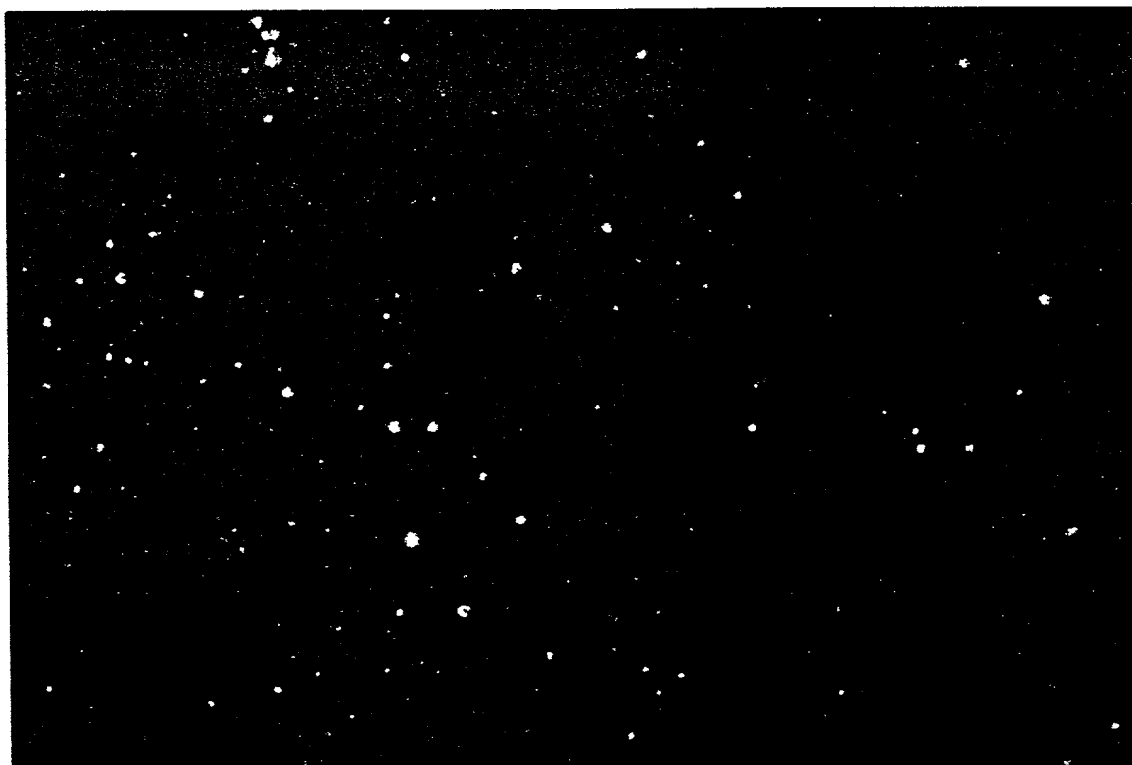


FIG 5F



total infected cells

# of Infected Cells

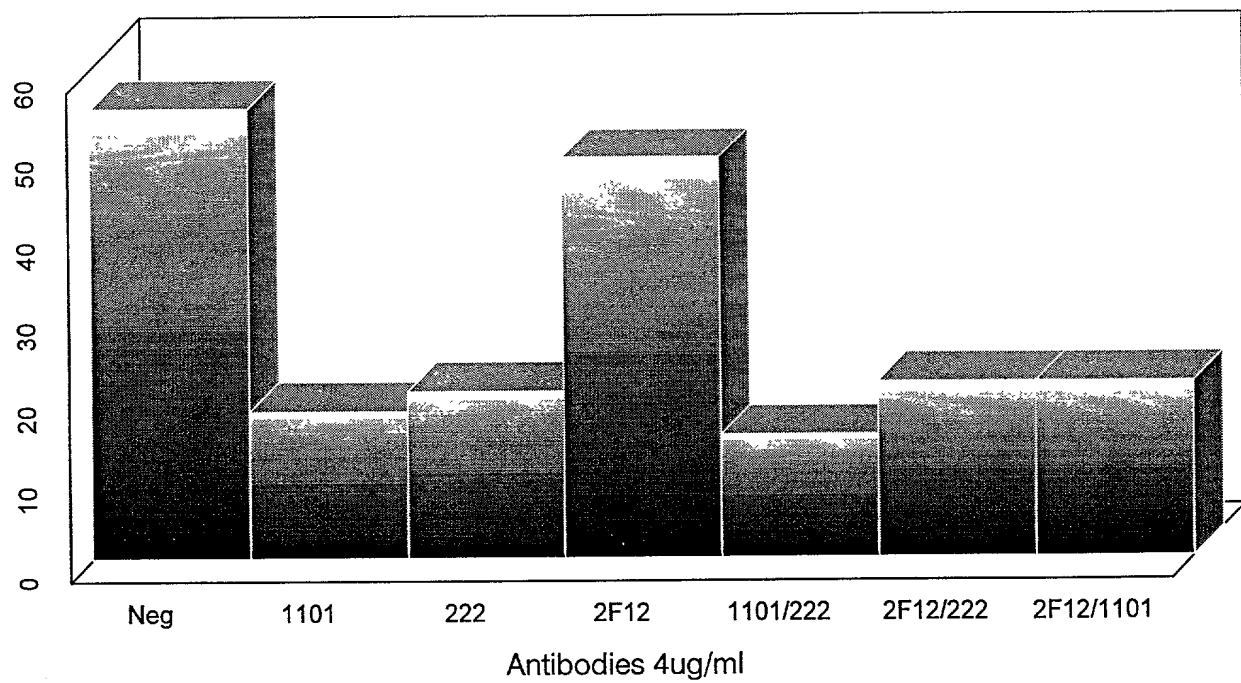


FIG. 7